

SurTec® 042

Sprayable Immersion Cleaner

Properties

- suitable for iron and steel, conditionally suitable for magnesium (depending on the respective alloy)
- liquid
- sprayable above 40°C
- suitable for hard water
- quickly demulsifying
- with temporary corrosion protection
- suited for vibratory finishing

Application

SurTec 042 is applied in immersion-, ultrasonic-, spray- and injection flood wash lines for cleaning and passivation.

make-up value: 2.5 %vol (1-4 %vol)

temperature: 60°C (40-80°C)

application time: 5 min (1-10 min)

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 042	liquid, colourless-yellow	1.005 (0.99-1.02)	10.5 (9-12)

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 042 regularly.

Sample Preparation

Take a sample at a homogeneously mixed position. Let it cool down to room temperature. If the sample is turbid, let the turbidity settle down and decant or filter the solution.

SurTec 042 – Analysis by Titration

reagents: 0.1 N hydrochloric or sulfuric acid
indicator: methyl orange solution (0.04 %)

procedure: 1. Pipette 10 ml bath sample into a 250 ml Erlenmeyer flask.
2. Dilute with deionised water to approx. 100 ml.
3. Add 3 drops of indicator.
4. Titrate with 0.1 N acid from yellow to red.

calculation: consumption in ml · 0.4 = %vol SurTec 042

Ingredients

- nonionic surfactants
- cationic surfactants
- amines
- neutralized organic acids

Stock Keeping

In order to prevent delays in the production process, per 1,000 l bath the following amount should be kept in stock:

SurTec 042 Immersion Cleaner 25 kg

Product Safety and Ecology

The safety instructions and the instructions for environmental protection have to be followed in order to avoid hazards for people and environment. The Material Safety Data Sheets (according to European legislation) contain explicit details for this.

The following hazard designations and classifications into water hazard classes (WHC) have to be taken into account:

<i><u>product</u></i>	<i><u>hazard designation</u></i>	<i><u>water hazard class</u></i>
SurTec 042	C - Corrosive	WHC 2

Warranty

We are responsible for our products in the context of the valid legal regulations. The warranty exclusively accesses for the delivered state of a product. Warranties and claims for damages after the subsequent treatment of our products do not exist. For details please consider our [general terms and conditions](#).

Further Information and Contact

In our forum, you can discuss topics of the surface technology:
<http://forum.SurTec.com/>

If you have any questions concerning the process, please contact your local technical department: <http://SurTec.com/International.html>